



Safety Course

NSTC 319, Compressed Gas Trailer Safety

(4 hours)

This is a course that addresses the safety requirements and potential hazards associated with compressed gas trailers, some common commodities, typical trailer configurations and components, and their operations.

The focus of the course is on compressed gas trailers as applied to small or temporary usage requirements for compressed gasses to support facility needs.

This course covers important trailer considerations associated with gaseous commodities, components and systems typically found on compressed gas trailers and trailer operating procedures. These considerations include properties of common trailer supplied gasses used at NASA Centers and facilities, typical trailer system components, and hazards associated with tube trailer operations experienced during compressed gas trailer fill, withdrawal and securing operations.

Target Audience:

- Systems Engineers, Safety, Reliability, Quality, and Maintainability Professionals.
- Supervisors, Foremen, Technicians/Operators or Pressure Systems
- Those who may work around or are directly associated with compressed gas trailers.

Date:

January 21, 2005

Time:

8:00 – 12:00

Location:

Marshall Space Flight Center

CEUs: 0.6 are available for this course

Instructor:

Mr. Robert "Bob" Fischer, Principal Engineer, employed with Quantum Technology Services Inc., (QTSI), Cocoa Beach, FL, holds a B.S. degree in Aeronautical Engineering from the University of Colorado.. He has extensive experience in fluids systems design, fabrication and operations as associated with missile and space launch ground support equipment. Although his expertise is in cryogenic systems, he was supervisor of the Converter Compressor Facility gaseous supply facilities for the Apollo and Space Shuttle programs at the Kennedy Space Center (KSC). He has been manager of cryogenic design groups both for NASA contractors and private industry. During his 30 plus years in the propellants field, he has presented papers at various seminars and corporate executive briefings. In addition, he still remains as a supporting guest on the KSC Pressure Vessel/System Certification Committee.

Although retired, he has served as a consultant for many NASA contractors requiring his expertise in design and certification of propellant systems.

To register, please contact:

Georgann Crump, Mailstop: CO20

Telephone: 256.544.6525, Fax: 256.544.4809